

FIG. 1**NUCLEOTIDE SEQUENCE**

>Protease C-E (SEQ.ID.NO.:1)

CGTTCCGCCTCCCAGGATAAAACCTGGGGCGACCTGCAGGAAACCTACACA
 CCCTGACCCGCATCGCCCTGGGTCTCTCGAGCCTGCTGCCTGCTCCCCCGC
 CCCACCAGCCATGGTGGTTCTGGAGCGCCCCCAGCCCTGGGTGGGGCTG
 TCTCGGCACCTTCACCTCCCTGCTGCTGGCGTCGACAGCCATCCTCAA
 TGCGGCCAGGATAACCTGTTCCCCCAGCCTGTGGGAAGCCCCAGCAGCTGAA
 CCGGGTTGTGGCGGGGAGGACAGCAGTGCACAGCGAGTGGCCCTGGATCGT
 GAGCATCCAGAAGAATGGGACCCACCACTGCGCAGGTTCTGCTCACCAAG
 CCGCTGGGTGATCACTGCTGCCACTGTTCAAGGACAACCTGAACAAACC
 ATACCTGTTCTCTGTGCTGCTGGGGCCTGGCAGCTGGGAACCCCTGGCTC
 TCGGTCCCAGAAGGTGGGTGTTGCCTGGGTGGAGCCCCACCCCTGTGTATT
 CTGGAAGGAAGGTGCCTGTGCAGACATTGCCCTGGTGCCTCGAGCGCTC
 CATACTGTTCTCAGAGCGGGCTGCCATCTGCCTACCTGATGCCTCTAT
 CCACCTCCCTCCAAACACCCACTGCTGGATCTCAGGCTGGGGAGCAGATCCA
 AGATGGAGTTCCCTTGCCCCACCCCTCAGACCCCTGCAGAAGCTGAAGGTTCC
 TATCATCGACTCGGAAGTCTGCAGCCATCTGTACTGGCGGGGAGCAGGACA
 GGGACCCATCACTGAGGACATGCTGTGCCGGCTACTTGAGGGGGAGCG
 GGATGCTTGTCTGGCGACTCCGGGGCCCTCATGTGCCAGGTGGACGG
 CGCCTGGCTGCTGGCCGGCATCATCAGCTGGGGCGAGGGCTGTGCCAGCG
 CAACAGGCCCCGGGGTCTACATCAGCCTCTCGCGCACCGCTCCTGGGTGGA
 GAAGATCGTGCAGGGGTGCAGCTCCGGCGCGCTCAGGGGGTGGGG
 CCTCAGGGCACCGAGCCAGGGCTCTGGGGCCGCCGCGCTCCTAGGGCGC
 AGCGGGACGCCGGGCTGGATCTGAAAGGCGGCCAGATCCAGATCTGGATC
 TGGATCTGCCGGCGGCCCTGGCGGTTCCCCCGCCGTAAATAGGCTCATCT
 ACCTCTACCTCTGGGGCCGGACGGCTGCTCGGAAAGGAAACCCCTCC
 CCGACCCGCCGACGGCCTCAGGCCCGCCTCAAGGCATCAGGCCCGCC
 CAACGGCCTCATGTCCCCGCCAACGACTCCGGCCCCGCCGGGCC
 CAGCGCTTTGTGTATAAATGTTAATGATTTTATAGGTATTTGTAACC
 CTGCCACATATCTTATTATTCTCCAATTCAATAAATTATTATTCTCCA

AA SEQUENCE

>Protease C-E (SEQ.ID.NO.:7)

MVVSGAPPALGGCLGTFTSLLLLASTAILNAARI PVPPACGKPQQLNRV
 GGEDSTDSEWPWIVSIQKNGTHHCAGSLLTSRWVITAHCFKDNLNKPYLF
 SVLLGAWQLGNPGSRSQKVGVAVVEPHPVY SWKEGACADIALVRLERSIQF
 SERVLPICLPDASIHLPPNTHCWISGWGSIQDGVPLPHPQTLQKLKVPIID
 SEVC SHLYWRGAGQGPITEDMLCAGYLEGERDACLGDGGPLMCQVDGAWL
 LAGIIISWGECAERNRPGVYISLSAHRSWVEKIVQGVQLRGRAQGGGALRA
 PSQGSGAAARS

FIG. 2

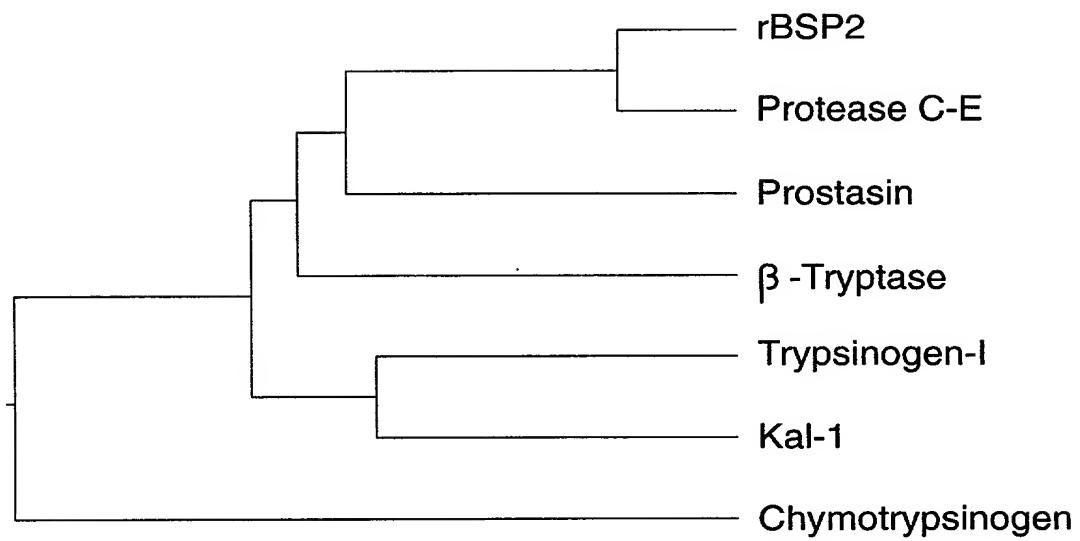


FIG. 3

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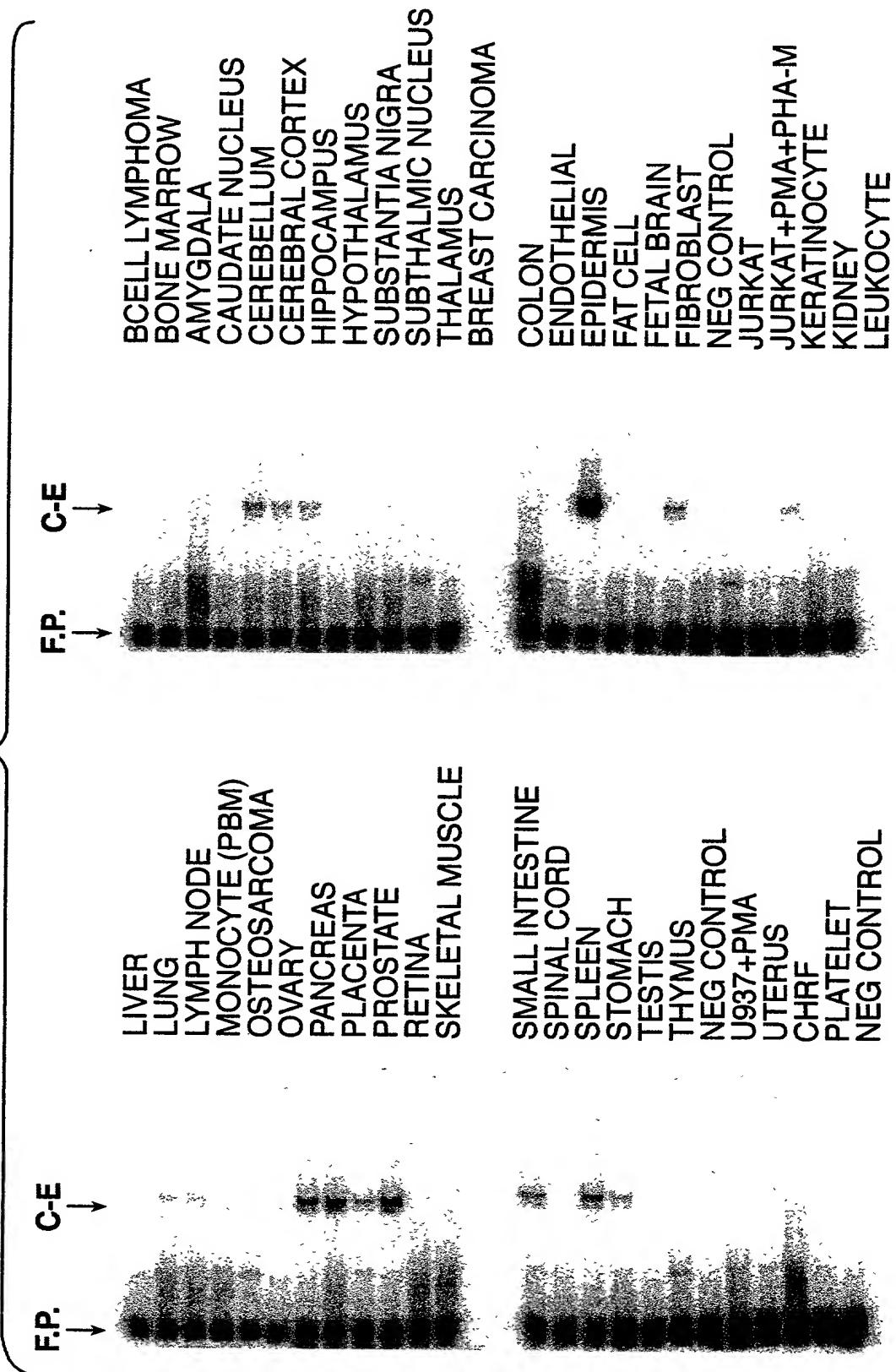


FIG. 4**CONSTRUCT NUCLEOTIDE SEQUENCE**

>PFEK2-C-E-HIS ERI-HCII (SEQ.ID.NO.:2)

GAATTCAACCACCATGGACAGCAAAGGTCGTCGAGAAATCCCGCCTGCTC
 CTGCTGCTGGTGGTGTCAAATCTACTCTTGTGCCAGGGTGTGGTCTCCGAC
 TACAAGGACGACGACGTGGACGCCGCTCTGCTGCCCTTGAT
 GATGATGACAAGATCGTGGGGCTATGCTTAGAGGACAGCGAGTGGCCC
 TGGATCGTGAGCATCCAGAAGAATGGGACCCACCACTGCGCAGGTTCTCG
 CTCACCAGCCGCTGGGTGATCACTGCTGCCACTGTTCAAGGACAACCTG
 AACAAACCATACTGTTCTGTGCTGCTGGGGCTGGCAGCTGGGAAC
 CCTGGCTCTCGGTCCCAGAAGGTGGGTGTTGCCTGGGTGGAGCCCCACCC
 GTGTATTCTGGAAGGAAGGTGCCCTGTGCAGACATTGCCCTGGTGCCTC
 GAGCGCTCCATACAGTTCTCAGAGCGGGCCTGCCATCTGCCTACCTGAT
 GCCTCTATCCACCTCCCTCCAAACACCCACTGCTGGATCTCAGGCTGGGG
 AGCATCCAAGATGGAGTTCCCTTGCCCCACCCCTCAGACCCCTGCAGAAGCTG
 AAGGTTCTATCGACTCGGAAGTCTGCAGCCATCTGTACTGGGGGGA
 GCAGGACAGGGACCCATCACTGAGGACATGCTGTGCCGCTACTTGGAG
 GGGGAGCGGGATGCTGTCTGGCGACTCCGGGGCCCTCATGTGCCAG
 GTGGACGGCGCCTGGCTGGCCGGCATCATCAGCTGGGGCGAGGGCTGT
 GCCGAGCGCAACAGGCCGGGTCTACATCAGCCTCTGCGCACCGCTCC
 TGGGTGGAGAAGATCGTCAAGGGTGCAGCTCCGGCGCTCAGGG
 GGTGGGGCCCTCAGGGCACCGAGCCAGGGCTCTGGGGCCGCCGCGCTCC
 TCTAGACATCACCACCATCACTAGCGCCGCTCCCTTAGTGAGGGT
 TAATGCTTCGAGCAGACATGATAAGATACTTGATGAGTTGGACAAACCA
 CAACTAGAATGCAGTGAAAAAAATGCTTATTGTGAAATTGTGATGCTA
 TTGCTTATTGTAACCATTATAAGCTGCAATAAACAAAGTTGAC

FUSION PROTEIN

>PFEK-C-E-HIS (SEQ.ID.NO.:8)

MDSKGSSQKSRLLLLLVVSNLLLCQGVVSDYKDDDDVDAAAALAAPFDDDDK
 IVGGYALEDSEWPWIVSIQKNGTHHCAGSLLTSRWWVITAAHCFKDNLNKPY
 LFSVLLGAWQLGNPGSRSQKVGVAWVEPHPVYSWKEGACADIALVRLERSI
 QFSERVLPICLPDASIHLPPNTHCWISGWGSIQDGVPPLPHPQTLQKLKVPI
 IDSEVC SHLYWRGAGQGPITEDMLCAGYLEGERDA CLGDSGGPLMCQVDGA
 WLLAGIISWGECAERNRPGVYISLSAHRSWVEKIVQGVQLRGRAQGGGAL
 RAPSQGSGAAARSSRHHHHH

FIG. 5